

Dimethylsulphoxide, GC-HS Plus for Headspace GC Analysis

(CH ₃) ₂ SO	FW. 78.13	Density 1 L = 1.100 Kg.
CAS-No.	67-68-5	Melting Point 18.5 °C
Code	HS1515	Boiling Point 189 °C

Specifications

Assay (by GC.)	99.90%	min.
Appearance	Clear, colorless liquid	
Color (APHA)	10	max.
Water (by Coulometry)	0.03%	max.
Acidity (mEq./g.)	0.0005	max.
Alkalinity (mEq./g.)	0.0002	max.
Residue on Evaporation	0.0003%	max.
Formic Acid and Acetic Acid	Not detected	
UV cutoff wavelength	190-265	nm
UV Transmission Levels (%T)		
400 nm	98%	min.
350 nm	95%	min.
300 nm	80%	min.
275 nm	55%	min.
268 nm	30%	min.
Residual solvent (GC/HS) according to ICH		
Class 1 Solvents	0.5	ppm max.
Benzene	Absence of peak	
Class 2 and Class 3 Solvents :		
Acetone	1	ppm max.
Acetonitrile	0.5	ppm max.
n-Butanol	1	ppm max.
Butyl Acetate	1	ppm max.
tert-Butyl Methyl Ether	1	ppm max.
Cyclohexane	1	ppm max.
Dichloromethane	0.5	ppm max.
1,4-Dioxane	0.5	ppm max.
Ethanol	1	ppm max.
Ethyl Acetate	1	ppm max.
Ethylbenzene	1	ppm max.
n-Heptane	1	ppm max.
n-Hexane	0.5	ppm max.
Isopropyl Acetate	1	ppm max.
Methanol	1	ppm max.
Methylcyclohexane	1	ppm max.
2-Propanol	1	ppm max.
n-Propanol	1	ppm max.
Pyridine	1	ppm max.
Tetrahydrofuran	0.5	ppm max.
Toluene	1	ppm max.
o-Xylene	1	ppm max.
m-Xylene	1	ppm max.
p-Xylene	1	ppm max.
Other Class 2 Solvents	5	ppm max.
Other Class 3 Solvents	25	ppm max.

Suitable as solvent for the analysis of residual solvent of ICH classes 1,2 and 3 according to Ph Eur and USP.

Product passed through 0.2 micron final filter.

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